

This listing of claims will replace all prior versions, and listings, of claims in the application:

The Status of the Claims

1-30. (Cancelled)

31. (Currently Amended) A method of applying to a display substrate ~~colour~~ color elements and addressing busbars to a display substrate in a defined alignment relative to each other, the method comprising the steps of:

[(a)] forming a series of translucent dielectric structures on a planar surface of a carrier, each structure comprising a ~~colour~~ color element [-] receiving surface region and a raised levee, adjacent dielectric structures being spaced apart to define a trench therebetween;

[(b)] forming said the busbars by at least partially filling each of said the trenches with an electrically conductive material;

[(c)] depositing a ~~colour~~ color element material on each of said ~~colour~~ the color element [-] receiving surface regions to form a series of ~~colour~~ color elements;

[(d)] affixing said ~~colour~~ the color elements and levees to a translucent display substrate by means of using a translucent adhesive material; and

[(e)] removing said the carrier.

32. (Currently Amended) A method according to claim 31, wherein said ~~colour~~ the color elements are light [-] filters.

33. (Currently Amended) A method according to claim 32, wherein ~~said~~ the light ~~[[-]]~~ filters are at least partially ultraviolet (UV) ~~[[-]]~~ absorbent.

34. (Currently Amended) A method according to claim 31, wherein ~~said~~ ~~colour~~ the color element material is deposited via an inkjet print head.

35. (Currently Amended) A method according to claim 33, further comprising ~~the steps of~~ applying a layer of a translucent conductor material in contact with ~~said~~ the busbars, and treating ~~said~~ the conductor material ~~so as~~ using UV light transmitted through the display substrate and the levees to form ~~[[#]]~~ the conductor material into translucent electrode tracks in alignment with and in contact with ~~said~~ the busbars, ~~by means of UV light transmitted through said display substrate and said levees.~~

36. (Currently Amended) A method according to claim 31, further comprising providing a polariser between ~~said~~ the levees and ~~said~~ the display substrate.

37. (Currently Amended) A method according to claim 36, wherein ~~said~~ the polariser is provided by applying a coatable polariser layer on ~~said~~ the colour elements and the levees.

38. (Currently Amended) A method according to claim 36, wherein ~~said~~ the polariser is provided adhered on ~~said~~ the display substrate and wherein ~~said step of~~ affixing ~~said colour~~ the color elements and the levees to ~~said~~ the display substrate comprises affixing ~~said colour~~ the color elements and the levees to ~~said~~ the polariser.

39. (Currently Amended) A method according to claim 31, further comprising providing an optical film between ~~said~~ the levees and ~~said~~ the display substrate.

40. (Currently Amended) A method according to claim 39, wherein ~~said~~ the optical film comprises a compensation retarder.

41. (Currently Amended) A method according to claim 31, further comprising providing a polariser between a ~~colour~~ color element and a ~~colour~~ color element [-] receiving surface region.

42. (Currently Amended) A method according to claim 41, wherein ~~said~~ the polariser is provided by applying a coatable polariser layer on ~~said~~ the translucent dielectric structures prior to depositing ~~said colour~~ the color element material.

43. (Currently Amended) A method according to claim 31, further comprising providing a transparent conducting layer on each ~~colour~~ color element [-] receiving surface region prior to depositing ~~said colour~~ the color element material.

44. (Currently Amended) A method according to claim 43, wherein ~~said~~ the transparent conducting layer is uniformly coated and forms a patterned layer upon drying determined by ~~said~~ the raised levees.

45. (Currently Amended) A method according to claim 31, wherein ~~said~~ the surface of ~~said~~ the carrier is conductive, and wherein ~~said~~ the busbars are formed by electroplating.

46. (Currently Amended) A method of applying ~~to a display substrate~~ light filters and addressing busbars to a display substrate in a defined alignment relative to each other, the method comprising:

forming ~~said~~ the light filters and ~~said~~ the busbars on a conductive surface of a transfer carrier with ~~said~~ the busbars being in electrical contact with ~~said~~ the conductive surface;

adhering ~~said~~ the light filters and ~~said~~ the busbars to ~~said~~ the display substrate;

and removing ~~said~~ the transfer carrier.

47. (Currently Amended) A method of applying ~~to a display substrate~~ light ~~[[(-)]]~~ filters and addressing busbars to a display substrate in a defined alignment relative to each other, the method comprising ~~the steps of~~:

[[~~(a)~~]] forming a series of translucent dielectric structures on a planar surface of a carrier, each structure comprising a filter ~~[[(-)]]~~ receiving surface region and a raised levee, adjacent dielectric structures being spaced apart to define a trench therebetween;

[[~~(b)~~]] forming ~~said the~~ busbars by at least partially filling each of ~~said the~~ trenches with an electrically conductive material;

[[~~(c)~~]] depositing a light ~~[[(-)]]~~ filter material on each of ~~said the~~ filter ~~[[(-)]]~~ receiving surface regions to form a series of light ~~[[(-)]]~~ filters;

[[~~(d)~~]] affixing ~~said the~~ light ~~[[(-)]]~~ filters and levees to a translucent display substrate ~~by means of using~~ a translucent adhesive material; and

[[~~(e)~~]] removing ~~said the~~ carrier.

48. (Currently Amended) A method of applying ~~to a display substrate~~
~~colour~~ color filters and addressing busbars to a display substrate in a defined
alignment relative to each other, the method comprising ~~the steps of~~:

[[~~(a)~~]] forming a series of translucent dielectric structures on a planar,
conductive surface of a carrier, each structure comprising a wettable surface region
and a raised levee, adjacent dielectric structures being spaced apart to define a trench
therebetween;

[[~~(b)~~]] forming ~~said the~~ busbars by at least partially filling each of ~~said the~~
trenches with a metal by electroplating;

[[~~(c)~~]] depositing a ~~coloured~~ colored material on each of ~~said the~~ wettable
surface regions by inkjet printing to form a series of ~~colour~~ color filters;

[[~~(d)~~]] affixing ~~said colour~~ the color filters and levees to a translucent display
substrate ~~by means of~~ using a translucent adhesive material; and

[[~~(e)~~]] removing ~~said the~~ carrier.

49. (Cancelled)

50. (Currently Amended) A method according to ~~claim 49~~ claim 51,
wherein ~~said colour~~ the color elements are photoluminescent.

51. (Currently Amended) A method ~~according to claim 49~~ of applying emissive color elements and addressing busbars to a display substrate in a defined alignment relative to each other, the method comprising:

forming the emissive color elements and the busbars on a surface of a transfer carrier;

adhering the emissive colour elements and the busbars to the display substrate;
and

removing the transfer carrier, wherein ~~said colour~~ the color elements at least partially absorb ultraviolet (UV) light and are spaced apart from each other by regions that are substantially transmissive of UV light.

52. (Currently Amended) A method according to claim 51, further comprising ~~the steps of:~~

forming a transparent conductor layer on ~~said~~ the busbars after removal of ~~said~~ the transfer carrier, ~~said~~ the transparent conductor layer being capable of being rendered substantially non-conductive after exposure to UV light of sufficient intensity and duration;

illuminating ~~said~~ the conductor layer with ~~[[H]]~~ light of sufficient intensity and duration through ~~said~~ the display substrate ~~[[as]]~~ to cause substantial loss of conductivity in regions of ~~said~~ the conductor layer corresponding to spaces between ~~said colour~~ the color elements;

thereby forming a plurality of transparent electrode tracks, each of which is in electrical contact with a busbar.

53. (Currently Amended) A method according to claim 51, further comprising ~~the steps of:~~

forming a transparent conductor layer on ~~said the~~ busbars after removal of ~~said the~~ transfer carrier;

applying a layer of positive photoresist material to ~~said the~~ conductor layer;

illuminating ~~said the~~ photoresist material with UV light of sufficient intensity and duration through ~~said the~~ display substrate ~~[[as]]~~ to effect a chemical change in exposed regions of ~~said the~~ photoresist material corresponding to spaces between ~~said colour the color~~ elements;

developing ~~said the~~ photoresist ~~so as~~ to remove ~~said the~~ photoresist in ~~said the~~ exposed regions;

etching ~~said the~~ conductor layer in regions where ~~said the~~ photoresist has been removed, thereby forming a plurality of transparent electrode tracks, each of which is in electrical contact with a busbar; and

removing remaining photoresist.

54. (Currently Amended) A method of applying ~~to a display substrate~~
~~colour~~ color elements and addressing busbars to a display substrate in a defined
alignment relative to each other, the method comprising:

forming ~~said colour~~ the color elements and ~~said the~~ busbars on a surface of a
transfer carrier;

adhering ~~said colour~~ the color elements and ~~said the~~ busbars to ~~said the~~ display
substrate; and

removing ~~said the~~ transfer carrier;

wherein ~~said colour~~ the color elements at least partially absorb ultraviolet
(UV) light and are spaced apart from each other by regions that are substantially
transmissive of UV light.

55. (Currently Amended) A method according to claim 54, further
comprising ~~the steps of~~:

forming a transparent conductor layer on ~~said the~~ busbars after removal of ~~said~~
the transfer carrier, ~~said the~~ transparent conductor layer being capable of being
rendered substantially non-conductive after exposure to UV light of sufficient
intensity and duration;

illuminating ~~said the~~ conductor layer with UV light of sufficient intensity and
duration through ~~said the~~ display substrate ~~[[as]]~~ to cause substantial loss of
conductivity in regions of ~~said the~~ conductor layer corresponding to spaces between
~~said colour~~ the color elements;

thereby forming a plurality of transparent electrode tracks, each of which is in
electrical contact with a busbar.

56. (Currently Amended) A method according to claim 54, further comprising ~~the steps of~~:

forming a transparent conductor layer on ~~said the~~ busbars after removal of ~~said the~~ transfer carrier;

applying a layer of positive photoresist material to ~~said the~~ conductor layer;

illuminating ~~said the~~ photoresist material with UV light of sufficient intensity and duration through ~~said the~~ display substrate ~~[[as]]~~ to effect a chemical change in exposed regions of ~~said the~~ photoresist material corresponding to spaces between ~~said colour the color~~ elements;

developing ~~said the~~ photoresist ~~so as~~ to remove ~~said the~~ photoresist in ~~said the~~ exposed regions;

etching ~~said the~~ conductor layer in regions where ~~said the~~ photoresist has been removed, thereby forming a plurality of transparent electrode tracks, each of which is in electrical contact with a busbar; and

removing remaining photoresist.

57. (Currently Amended) A method of applying ~~to a display substrate~~ ~~colour~~ color elements and addressing busbars to a display substrate in a defined alignment relative to each other, the method comprising:

forming ~~said colour the color~~ elements and ~~said the~~ busbars on a conductive surface of a transfer carrier with ~~said the~~ busbars in electrical contact with ~~said the~~ conductive surface;

adhering ~~said colour the color~~ elements and ~~said the~~ busbars to ~~said the~~ display substrate; and

removing ~~said the~~ transfer carrier.

58. (Currently Amended) A method according to claim 57, wherein ~~said~~ the busbars are formed on the conductive surface by electroplating.

59. (Currently Amended) A transfer carrier comprising a substrate having a conductive surface on which is releasably mounted a plurality of ~~colour~~ color elements and a plurality of busbars in a defined alignment relative to each other, ~~said~~ the busbars being in electrical contact with ~~said~~ the conductive surface.

60. (Currently Amended) A transfer carrier according to claim 59, wherein ~~said~~ the surface is planar.

61. (Currently Amended) A transfer carrier according to claim 59, wherein each of ~~said~~ the plurality of ~~colour~~ color elements is provided on a substantially transparent dielectric structure on ~~said~~ the surface of ~~said~~ the substrate.

62. (Currently Amended) A transfer carrier according to any of claims 59, wherein ~~said~~ the ~~colour~~ color elements are light-filters.